

Listing of Claims

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) A method for a client device, comprising:

first requesting, by the client device, a first content from a content provider, including providing a characteristic profile to the content provider, the characteristic profile including one or more characteristics of the client device;

receiving, by the client device, a first reply from the content provider responsive to the first requesting, the first reply including a query for a dynamic characteristic of the client device, the dynamic characteristic being a real-time attribute which changes while the client device is operating;

second requesting, by the client device, the first content from the content provider, the second requesting incorporating a query result for the query, the query result including the dynamic characteristic; and

second receiving, by the client device, a second reply from the content provider responsive to the second requesting, the second reply including the first content or portion thereof, wherein the first content or portion thereof is determined by the content provider based at least in part on the dynamic characteristic.

2. (Previously Presented) The method of claim 1, further comprising:

third requesting, by the client device, a second content from the content provider, wherein the third requesting automatically incorporates the query result for the query.

3. (Cancelled)

4. (Previously Presented) The method of claim 30, further comprising:

determining, by the client device, if the content provider is caching the query result, and if so, determining if the query result has changed since the first requesting; and

wherein if the query result has not changed, said third request does not incorporate the query result for the query.

5. (Original) The method of claim 4, wherein if the query result has changed, said third request automatically incorporates the query result for the query.
6. (Previously Presented) The method of claim 2, further comprising:
determining, by the client device, if the content provider is caching the query result, and
if so, determining if the query result has changed since the first requesting; and
wherein if the query result has not changed, said third request does not incorporate the query result for the query, and wherein if the query result has changed, said third request automatically incorporates the query result for the query.
7. (Previously Presented) The method of claim 1, further comprising:
storing, by the client device, the query result in a HyperText Transport Protocol (HTTP) request header provided to the content provider.
8. (Original) The method of claim 1, wherein the query is received in a HyperText Transport Protocol (HTTP) response header provided by the content provider.
9. (Original) The method of claim 1, wherein requesting the content and receiving the first reply is performed according to the Composite Capability/Preference Profiles (CC/PP) protocol.
10. (Previously Presented) The method of claim 1, wherein the characteristic profile includes an entry indicating whether the client can be queried for a dynamic characteristic.
11. (Original) The method of claim 10, wherein the characteristic profile is formatted as a UAProf profile.
12. (Original) The method of claim 1, wherein the first reply comprises a selected one of the content or a frame-set for the content.

13. (Previously Presented) The method of claim 1, wherein the dynamic characteristic is a selected one of processor type, processor speed, processor mode, available memory, available storage, or available network connectivity.
14. (Previously Presented) The method of claim 1, wherein the dynamic characteristic is a selected one of availability of: peer clients, a camera, a microphone, a text to speech converter, a speech to text converter, a soft radio, a graphics processor.
15. (Previously Presented) The method of claim 1, wherein the dynamic characteristic is availability of an encryption processor.
16. (Currently Amended) A method, comprising:
receiving, by a content provider, from a client a first request for first content and a characteristic profile, the characteristic profile including one or more characteristics of the client;
providing, by the content provider, a first response to the first request of the client, the first response lacking all of the requested first content, but wherein the first response incorporates a query for a dynamic characteristic of the client, the dynamic characteristic being a real-time attribute which changes while the client is operating;
receiving, by the content provider, a second request for the first content, wherein the second request incorporates a query result for the query, the query result including the dynamic characteristic; and
providing, by the content provider, the first content to the client in accord with the dynamic characteristic.
17. (Previously Presented) The method of claim 16, further comprising:
wherein the characteristic profile indicates the client may be queried for dynamic characteristics not included in the characteristic profile.
18. (Cancelled)
19. (Cancelled)

20. (Previously Presented) The method of claim 16, wherein the dynamic characteristic is a selected one of available power, available memory, processor type or processor speed.
21. (Original) The method of claim 16, further comprising:
issuing a set-cookie command to the client to associate at least the first content with a cookie, wherein the cookie indicates the query result will be cached for all content associated with the cookie.
22. (Currently Amended) A system comprising:
a content provider communicatively coupled with a client;
wherein the content provider is operative to perform receiving from the client a first request for first content and a characteristic profile including characteristics of the first client, determining whether the client may be queried for dynamic characteristics, the dynamic characteristics being real-time attributes which change while the client device is operating, providing a response to the first request of the client, the response lacking all of the requested first content, but wherein the response incorporates a query for a dynamic characteristic of the client, receiving a second request for the first content incorporating a query result for the query, the query result including the dynamic characteristic, and providing the first content to the client in accord with the dynamic characteristic; and
wherein the client is operative to perform parsing the response to determine the query, determining the query result, and providing the query result to the content provider in at least a second request for content.
23. (Original) The system of claim 22, wherein the client and content provider utilize HTTP to exchange data in accord with the CC/PP protocol.
- 24.-25. (Cancelled)
26. (Currently Amended) An article of manufacture comprising:
a machine-accessible media; and

a plurality of programming instructions stored on the media and configured to program a client to

first request a first content from a content provider, including providing a characteristic profile to the content provider, the characteristic profile including characteristics of the client,

receive a first reply from the content provider responsive to the first request and provide, the first reply including a query for a dynamic characteristic of the client, the dynamic characteristic being a real-time attribute which changes while the client device is operating,

second request the first content from the content provider, the second request incorporating a query result for the query, the query result including the dynamic characteristic, and

receive a second reply from the content provider responsive to the second request, the second reply including the first content, wherein the first content is determined based at least in part on the dynamic characteristic.

27. (Previously Presented) The article of claim 26 wherein the programming instructions are further configured to:

determine that the content is arranged in ~~the~~ a hierarchical structure, and automatically incorporate the query result into a third request of second content from the content provider based on results of said determining.

28. (Currently Amended) An article of manufacture comprising:

a machine-accessible media; and
a plurality of programming instructions stored on the media and configured to program a content provider to

receive from a client a first request for first content and a characteristic profile, the characteristic profile including characteristics of the client,

determine the client may be queried for dynamic characteristics not identified in the characteristic profile, the dynamic characteristics being real-time attributes which change while the client device is operating.

provide a first response to the first request of the client, the first response lacking all of the requested first content, but wherein the first response incorporates a query for a dynamic characteristic of the client,

receive a second request for the first content, wherein the second request incorporates a query result for the query, the query result including the dynamic characteristic, and

provide the first content to the client in accord with the dynamic characteristic.

29. (Previously Presented) The article of claim 28 wherein the plurality of programming instructions are further configured to issue a set-cookie command to the client to associate at least the first content with a cookie, wherein the cookie indicates the query result will be cached for all content associated with the cookie.

30. (Previously Presented) The method of claim 1, wherein the first content is arranged in a hierarchical structure, and the method further comprises determining, by the client device, if the content provider wants the query result to be automatically incorporated into a third requesting of second content from the content provider that is lower in the hierarchical structure than the first content.